

Inventory of Quality Control Data for Organic Analyses

Report Title Brickhouse Environmental Report Date 2/16/10
 Sampler " " Sampling Date 1/20/10 Number of Samples 4
 Laboratory Test America Lab ID KTAD345
 Well ID Ex. 6 - Personal Privacy RW Ex. 6 - Personal Privacy Ex. 6 - Personal Privacy Ex. 6 - Personal Privacy
 Electronic File Name C:\bt - EPA 000001 Brickhouse Feb 16 2010.pdf

Analytical Parameter	Matrix	Method		
		Extraction	Analysis	Modification
<u>Glycols</u>	<u>water</u>	<u>not identified</u>	<u>8015</u>	
<u>Alcohols</u>	<u>water</u>	<u>" "</u>	<u>8015M</u>	<u>Not identified</u>
<u>MBAS</u>	<u>water</u>	<u>NA</u>	<u>5540C</u>	

QC Measures

KEY:

P = applicable and present
 M = applicable and missing
 NA = not applicable

					Alcohols 4 samples	Glycols 3 samples	MBAS 4 samples
Reporting Level(s)					P	P	P
Laboratory Narrative					P	P	P
Result Forms / Target Compound Identification					P	P	P
Sample Preservation					P	P	P
Holding Time					P	P	P
Instrument Tune					NA	NA	NA
Standards Preparation Logs					M	M	M
Run Logs (includes standards and samples)					M	M	M
Initial Calibration					M	M	M
Continuing Calibration					M	M	M
Laboratory Blanks					M	M	M
Trip Blanks					NA	NA	NA
Field Blanks					M	M	M
Field Duplicates					M	M	M
Surrogate/DMC Recovery					P	P	NA
MS/MSD (%R, RPD)					M	M	M
Laboratory Control Sample					M	M	M
Internal Standard Area					NA	NA	NA
Pesticide/Aroclor Cleanup Checks					NA	NA	NA
Retention Time					M	M	NA
Chromatograms					M	M	NA
Mass Spectra					NA	NA	NA
Example Sample Calculation					M	M	M
Identification of Tentatively Identified Compounds (TICs)					NA	NA	NA
TICs Method of Determination					NA	NA	NA
Dilution Factor					P	P	P
Sample Paperwork (sample tags, chain of custody forms)					P	P	P
Moisture Content (for sediment / soils samples)					NA	NA	NA

Inventory of Quality Control Data for Organic Analyses

Report Title Brickhouse Environmental

Report Date 2/16/10

Sampler "

Sampling Date 1/20/10

Number of Samples 10

Laboratory TEST America

Lab ID KTA 0398

Well ID

Ex. 6 - Personal Privacy

Ex. 6 - Personal Privacy

Ex. 6 - Personal Privacy

Electronic File Name CABOT - EPA 000005 BRICKHOUSE FEBRUARY, 16 2010 (2).pdf

Ex. 6 - Personal Privacy

Analytical Parameter	Matrix	Method		
		Extraction	Analysis	Modification
<u>Glycol</u>	<u>Water</u>	<u>NOT IDENTIFIED</u>	<u>BOIS</u>	
<u>Alcohols</u>	<u>"</u>	<u>"</u>	<u>BOIS M</u>	<u>NOT IDENTIFIED</u>
<u>MBAS</u>	<u>"</u>	<u>NA</u>	<u>SS/OC</u>	

QC Measures

KEY:

P = applicable and present

M = applicable and missing

NA = not applicable

					Alcohols 9 samples	Glycols 10 samples	MBAS 9 samples
Reporting Level(s)					P	P	P
Laboratory Narrative					M	M	M
Result Forms / Target Compound Identification					P	P	P
Sample Preservation					P	P	P
Holding Time					P	P	P
Instrument Tune					NA	NA	NA
Standards Preparation Logs					M	M	M
Run Logs (includes standards and samples)					M	M	M
Initial Calibration					M	M	M
Continuing Calibration					M	M	M
Laboratory Blanks					M	M	M
Trip Blanks					NA	NA	NA
Field Blanks					M	M	M
Field Duplicates					M	M	M
Surrogate/DMC Recovery					P	P	NA
MS/MSD (%R, RPD)					M	M	M
Laboratory Control Sample					M	M	M
Internal Standard Area					NA	NA	NA
Pesticide/Aroclor Cleanup Checks					NA	NA	NA
Retention Time					M	M	NA
Chromatograms					M	M	NA
Mass Spectra					NA	NA	NA
Example Sample Calculation					M	M	M
Identification of Tentatively Identified Compounds (TICs)					NA	NA	NA
TICs Method of Determination					NA	NA	NA
Dilution Factor					P	P	P
Sample Paperwork (sample tags, chain of custody forms)					P	P	P
Moisture Content (for sediment / soils samples)					NA	NA	NA

Inventory of Quality Control Data for Inorganic Analyses

1 of 3

Report Title Brickhouse Environmental
 Sampler Brickhouse Environmental
 Laboratory Test America

Report Date 2/17/10
 Sampling Date 1/22/10 Number of Samples 13
 Lab ID RTA 0367

Well ID Ex. 6 - Personal Privacy Ex. 6 - Personal Privacy

Ex. 6 - Personal Privacy

Electronic File Name CA 605 - EPA 0966 24 Brickhouse February 17, 2010.pdf

Ex. 6 - Personal Privacy TB-Day 1, RW, RW, TB Day 2 (P. 1 of 3)

Analytical Parameter	Matrix	Digestion	Analysis	Modification
(13) Total Metals Se/Hg	Water	Not Known	600/4000 Series	
Metals (13)	"	Not Known	200.7 7	
Metals (13)	"	Not Known	6020-14	
Bicarbonate free (13)	"	NA	310.1 / SM 2540	
Anions (13)	"	NA	300.A	
Total Cyanide (3)	"	NA	4500-CNE	

QC Measures

KEY:

P = applicable and present
 M = applicable and missing
 NA = not applicable

	Metals Se/Hg 600/4000	Anions	Nitrate/Nitrite	Oil & Grease	Total Cyanide	Metals - 7 200.7	Metals - 14 6000	Bicarbonate TAS
Reporting Level(s)	P	P			P	P	P	P
Laboratory Narrative	M	M			M	M	M	M
Result Forms / Target Analyte Identification	P	P			P	P	P	P
Sample Preservation	P	M			M	P	P	P
Holding Time	P	P			M	P	P	P
Digestion and Distillation Logs	M	NA			NA	M	M	NA
Standards Preparation Logs	M	M			M	M	M	M
Run Logs (includes standards and samples)	M	M			M	M	M	M
Initial Calibration	M	M			M	M	M	M
Continuing Calibration	M	M			M	M	M	NA
Laboratory Blanks	M	M			M	M	M	M
Trip Blanks	NA	NA			NA	NA	NA	NA
Field Blanks	M	M			M	M	M	NA
Field Duplicates	M	M			M	M	M	M
Matrix Spike Recovery	M	M			M	M	M	NA
Laboratory Duplicates	M	M			M	M	M	NA
Laboratory Control Sample	M	M			M	M	M	NA
Internal Standard Area	NA	NA			NA	NA	NA	NA
Method of Standard Addition Results	NA	NA			NA	NA	NA	NA
ICP Serial Dilutions	M	NA			NA	M	M	NA
ICP Interference Check Sample	M	NA			NA	M	M	NA
ICP Inter-element Correction Factors	M	NA			NA	M	M	NA
ICP Linear Ranges	M	NA			NA	M	M	NA
Raw Data (i.e., instrument readouts)	M	NA			NA	M	M	NA
Example Sample Calculation	M	M			M	M	M	M
Dilution Factor	P	P			P	P	P	P
Sample Paperwork (sample tags, chain of custody forms)	P	P			P	P	P	P
% Solids (for sediment / soils samples)	NA	NA			NA	NA	NA	NA

Inventory of Quality Control Data for Organic Analyses

2 of 3

Report Title Brickhouse Environmental Report Date 2/17/10
 Sampler Brickhouse Environmental Sampling Date 1/25/10 Number of Samples 12
 Laboratory Test America Lab ID KT A0367
 Well ID _____
 Electronic File Name CAROT - EPA 800020 Brickhouse February 17, 2010.pdf
 (P. 2 of 3)

Analytical Parameter	Matrix	Method		
		Extraction	Analysis	Modification
O.C. pesticides (3)	water	not known	608	
PCBs (3)	"	not known	608	
VOCs (13)	"	not known	8260B	
SVOA (13)	"	not known	8270C	
Oil + Grease (13)	"	method defined	1664A	
Dissolved Gases (13)	"	not known	RSK SOP-175	

QC Measures

KEY:

P = applicable and present

M = applicable and missing

NA = not applicable

	VOA	SVOA	Pesticides	Aroclors	Alcohols	Glycols	Dissolved Gases	MBAS	Oil + Grease
Reporting Level(s)	P	P	P	P			P		P
Laboratory Narrative	M	M	M	M			M		M
Result Forms / Target Compound Identification	P	P	P	P			P		P
Sample Preservation	M	M	M	M			M		M
Holding Time	P	P	P	P			M		P
Instrument Tune (ms)	M	M	NA	NA			NA		NA
Standards Preparation Logs	M	M	M	M			M		M
Run Logs (includes standards and samples)	M	M	M	M			M		M
Initial Calibration	M	M	M	M			M		M
Continuing Calibration	M	M	M	M			M		M
Laboratory Blanks	M	M	M	M			M		M
Trip Blanks	P	NA	NA	NA			M		M
Field Blanks	M	M	M	M			M		M
Field Duplicates	M	M	M	M			M		M
Surrogate/DMC Recovery	P	P	P	P			M		M
MS/MSD (%R, RPD)	M	M	M	M			M		M
Laboratory Control Sample	M	M	M	M			M		M
Internal Standard Area	P	P	NA	NA			NA		NA
Pesticide/Aroclor Cleanup Checks	NA	NA	M	M	NA	NA	NA	NA	NA
Retention Time	M	M	M	M			M		NA
Chromatograms	M	M	M	M			M		NA
Mass Spectra	M	M	NA	NA	NA	NA	NA	NA	NA
Example Sample Calculation	M	M	M	M			M		M
Identification of Tentatively Identified Compounds (TICs)	P	P	NA	NA	NA	NA	NA	NA	NA
TICs Method of Determination	M	M	NA	NA	NA	NA	NA	NA	NA
Dilution Factor	P	P	P	P			P		P
Sample Paperwork (sample tags, chain of custody forms)	P	P	P	P			P		P
Moisture Content (for sediment / soils samples)	NA	NA	NA	NA	NA	NA	NA	NA	NA

Inventory of Quality Control Data for Inorganic Analyses

3 of 3

Report Title Brickhouse Environmental Report Date 2/17/10
 Sampler Brickhouse Environmental Sampling Date 1/22/10 Number of Samples 12
 Laboratory TEST America Lab ID KTAC0367
 Well ID _____
 Electronic File Name CADOT - EPA 000020 Brickhouse February 17 2010. pdf.

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Analytical Parameter	Matrix	Method		
		Digestion	Analysis	Modification
(13) Total Organic Carbon	Water		5310 C	
(8) " Phenols	"		420.1	

QC Measures

KEY:

P = applicable and present
 M = applicable and missing
 NA = not applicable

	Metals	Anions	Nitrate/Nitrite	Oil & Grease	Total Organic Carbon	Total Phenols
Reporting Level(s)					P	P
Laboratory Narrative					M	M
Result Forms / Target Analyte Identification					P	P
Sample Preservation					P	P
Holding Time					P	P
Digestion and Distillation Logs					M	NA
Standards Preparation Logs					M	M
Run Logs (includes standards and samples)					M	M
Initial Calibration					M	M
Continuing Calibration					M	M
Laboratory Blanks					M	M
Trip Blanks					NA	NA
Field Blanks					M	M
Field Duplicates					M	M
Matrix Spike Recovery					M	M
Laboratory Duplicates					M	M
Laboratory Control Sample					M	M
Internal Standard Area					NA	NA
Method of Standard Addition Results					NA	NA
ICP Serial Dilutions					NA	NA
ICP Interference Check Sample					NA	NA
ICP Inter-element Correction Factors					NA	NA
ICP Linear Ranges					NA	NA
Raw Data (i.e., instrument readouts)					M	M
Example Sample Calculation					M	M
Dilution Factor					P	P
Sample Paperwork (sample tags, chain of custody forms)					P	P
% Solids (for sediment / soils samples)					NA	NA

January 2012

Inventory of Quality Control Data for Organic Analyses

Report Title TestAmerica Analytical Report Report Date 9/13/11
 Sampler URS Corporation Sampling Date 8/4/11 Number of Samples 2
 Laboratory TestAmerica Lab ID _____
 Well ID TC-1, AW-2
 Electronic File Name Cahot-EPA 000176 Test America Results August 4 2011.pdf

Analytical Parameter	Matrix	Method		
		Extraction	Analysis	Modification
VOA	water	5020	8260A	
SVOA	Water		8270.C	
EPB/DBP				
Glycols				
GIRO			8015 B	
Alcohols			8015	

QC Measures

KEY:

P = applicable and present
 M = applicable and missing
 NA = not applicable

	VOA	SVOA	Pesticides	Aroclors	Alcohols	Glycols	Dissolved Gases	MBAS	GIRO
Reporting Level(s)	P	P				P			P
Laboratory Narrative	P	P				P			P
Result Forms / Target Compound Identification	P	P				P			P
Sample Preservation	P	P				P			P
Holding Time	P	P				P			P
Instrument Tune	P	P				P			P
Standards Preparation Logs	P	P				P			P
Run Logs (includes standards and samples)	P	P				P			P
Initial Calibration	P	P				P			P
Continuing Calibration	P	P				P			P
Laboratory Blanks	P	P				P			P
Trip Blanks	P	NA				P			NA
Field Blanks	M	M				P			M
Field Duplicates	M	M				P			M
Surrogate/DMC Recovery	P	P				P			P
MS/MSD (%R, RPD)	P	P				P			P
Laboratory Control Sample	P	P				P			P
Internal Standard Area	P	M				NA			P
Pesticide/Aroclor Cleanup Checks	NA	NA				NA			NA
Retention Time	P	P				P			P
Chromatograms	P	P				NA			P
Mass Spectra	P	P				NA			P
Example Sample Calculation	M	M				M			M
Identification of Tentatively Identified Compounds (TICs)	M	M				NA			M
TICs Method of Determination	M	M				NA			M
Dilution Factor	P	P				P			NA
Sample Paperwork (sample tags, chain of custody forms)	P	P				P			P
Moisture Content (for sediment / soils samples)	NA	NA				NA			NA

Inventory of Quality Control Data for Inorganic Analyses

1043

Report Title Test America Analytical Report

Report Date 10/5/11

Sampler URS Corporation

Sampling Date 9/1/11

Number of Samples 12

Laboratory TestAmerica

Lab ID

Well ID H-1, FH-1, FPT-1, S-1, R-1, R-2, RD-1, RU-1, KDE-1, N-1, D-1, Trip Blank

Electronic File Name Cabot -EPA 001621 Test America Results September 1 2011.pdf

Analytical Parameter	Matrix	Method		
		Digestion	Analysis	Modification
EAB/DBCP	WATER	Micro Extraction	8011	
gases		NA	RSK-175	
METALS		3005A	6020	
Anions (Cl ⁻ only)			300.A	
Ammonia			350.1	
Glycols				

QC Measures

KEY:

P = applicable and present

M = applicable and missing

NA = not applicable

U = UNKNOWN if method requires
ANALYST TO REVIEW

	Metals	Anions Chloride only	Nitrate/Nitrite	Oil & Grease	RSK 175 gases	EAB/DBCP	Ammonia		
Reporting Level(s)	P	P	NA	NA	P	P	P		
Laboratory Narrative	P	P	NA	NA	P	P	P		
Result Forms / Target Analyte Identification	P	P	NA		P	P	P		
Sample Preservation	P	P	NA		U	P	P		
Holding Time	P	P	NA		U	P	P		
Digestion and Distillation Logs	P	NA	NA		NA	NA	P		
Standards Preparation Logs	P	P	NA		M	P	P		
Run Logs (includes standards and samples)	P	P	NA		P	P	P		
Initial Calibration	P	P	NA		P	P	P		
Continuing Calibration	P	P	NA		P	P	P		
Laboratory Blanks	P	P	NA		P	P	P		
Trip Blanks	NA	NA	NA		NA	NA	NA		
Field Blanks	M	M	NA		U	M	M		
Field Duplicates	M	M	NA		U	M	M		
Matrix Spike Recovery	P	P	NA		U	P	P		
Laboratory Duplicates	P	P	NA		P	P	P		
Laboratory Control Sample	P	P	NA		P	P	P		
Internal Standard Area	NA	NA	NA		NA	NA	NA		
Method of Standard Addition Results	NA	NA	NA		NA	NA	NA		
ICP Serial Dilutions	P	NA	NA		NA	NA	NA		
ICP Interference Check Sample	P	NA	NA		NA	NA	NA		
ICP Inter-element Correction Factors	M	NA	NA		NA	NA	NA		
ICP Linear Ranges	P	NA	NA		NA	NA	NA		
Raw Data (i.e., instrument readouts)	NA	M	NA		P	P	M		
Example Sample Calculation	M	M	NA		M	M	M		
Dilution Factor	P	P	NA		P	P	P		
Sample Paperwork (sample tags, chain of custody forms)	P	P	NA		P	P	P		
% Solids (for sediment / soils samples)	NA	NA	NA		NA	NA	NA		
Surrogate	NA	NA	NA		NA	P	NA		

January 2012

Inventory of Quality Control Data for Organic Analyses

2043

Report Title TestAmerica Analytical Report Report Date 10/5/11
 Sampler URS Corporation Sampling Date 9/1/11 Number of Samples 12
 Laboratory TestAmerica Lab ID _____
 Well ID H-1, FH-1, FPT-1, S-1, R-1, R-2, RD-1, RU-1, KDE-1, N-1, D-1, Trip Blank
 Electronic File Name Cabot-EPA 001621 Test America Results September 1 2011.pdf

Analytical Parameter	Matrix	Method		
		Extraction	Analysis	Modification
GrO			8015B	
Mercury			7470A	
MBAS			SM5540C	
VOC			8260B	
SVOC			8270C	

QC Measures

KEY:

P = applicable and present

M = applicable and missing

NA = not applicable

	VOA	SVOA	Pesticides	Aroclors	Alcohols	Glycols		MBAS	GrO	Mercury
Reporting Level(s)	P	P	NA	NA		M		P	P	
Laboratory Narrative	M	M				M		M		
Result Forms / Target Compound Identification	P	P				P		P	P	
Sample Preservation	M	M				M		M		
Holding Time	P	P				P		P	P	P
Instrument Tune	P	P				NA		NA		
Standards Preparation Logs	P	P				P		P	P	P
Run Logs (includes standards and samples)	P	P				P		P	P	P
Initial Calibration	P	P				P		P	P	P
Continuing Calibration	P	P				P		P	P	P
Laboratory Blanks	P	P				P		P	P	P
Trip Blanks	P	P				M		M		
Field Blanks	M	M				M		M		
Field Duplicates	M	M				M		M		
Surrogate/DMC Recovery	P	P				P		M	P	
MS/MSD (%R, RPD)	P	P				P		P	P	P
Laboratory Control Sample	P	P				P		P	P	P
Internal Standard Area	P	P				P		NA		
Pesticide/Aroclor Cleanup Checks	NA	NA				NA		NA		
Retention Time	P	P				P		NA	P	
Chromatograms	P	P				P		NA	P	
Mass Spectra	P	P				P		NA	P	
Example Sample Calculation	M	M				M		M		
Identification of Tentatively Identified Compounds (TICs)	M	M				NA		NA		
TICs Method of Determination	M	M				NA		NA		
Dilution Factor	M	M				M		P		
Sample Paperwork (sample tags, chain of custody forms)	P	P				P		P		
Moisture Content (for sediment / soils samples)	NA	NA				NA		NA		
Surrogate	P	P	✓	✓		*		*		

January 2012

Inventory of Quality Control Data for Organic Analyses

In
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Report Title TestAmerica Analytical Report Report Date 10/5/11
 Sampler URS Corporation Sampling Date 9/1/11 Number of Samples 12
 Laboratory TestAmerica Lab ID _____
 Well ID H-1, FH-1, FPT-1, S-1, R-1, R-2, RD-1, RU-1, KDE-1, N-1, D-1 Trip Blank
 Electronic File Name Cabot - EPA 001621 Test America Results September 1 2011.pdf

Analytical Parameter	Matrix	Method		
		Extraction	Analysis	Modification
DRO			8015B	
Acidity			2310B	
Alkalinity			2320B	
TDS			SM 2540C	
TSS			SM 2540 D	
pH			SM 4500H+B	

QC Measures

KEY:

P = applicable and present

M = applicable and missing

NA = not applicable

	TSS	Alkalinity	Acidity	TDS	pH				DRO
Reporting Level(s)	P	P	P	P	P	P			P
Laboratory Narrative	M	M	M	M	M				M
Result Forms / Target Compound Identification	P	P	P	P	P				P
Sample Preservation	M	M	M	M	M				P
Holding Time	P	P	P	P	P				P
Instrument Tune	NA	NA	NA	NA	NA	NA			M
Standards Preparation Logs	P	P	P	P	P				P
Run Logs (includes standards and samples)	P	P	P	P	P				P
Initial Calibration	NA	NA	NA	NA	P				P
Continuing Calibration	NA	NA	P	NA	NA				P
Laboratory Blanks	NA	P	P	P	NA				P
Trip Blanks	NA	M	M	M	M				M
Field Blanks	NA	M	M	M	M				M
Field Duplicates	M → NA	M	M	M	M				M
Surrogate/DMC Recovery	NA	NA	NA	NA	NA				P
MS/MSD (%R, RPD)	P	P	P	P	P				P
Laboratory Control Sample	P	P	P	P	P				P
Internal Standard Area	NA	NA	NA	NA	NA				P
Pesticide/Aroclor Cleanup Checks	NA	NA	NA	NA	NA				NA
Retention Time	NA	NA	NA	NA	NA	NA			P
Chromatograms	NA	NA	NA	NA	NA	NA			P
Mass Spectra	NA	NA	NA	NA	NA	NA			P
Example Sample Calculation	M	M	M	M	NA				M
Identification of Tentatively Identified Compounds (TICs)	NA	NA	NA	NA	NA				M
TICs Method of Determination	NA	NA	NA	NA	NA				M
Dilution Factor	NA	M	M	M	NA				M
Sample Paperwork (sample tags, chain of custody forms)	P	P	P	P	P				P
Moisture Content (for sediment / soils samples)	NA	NA	NA	NA	NA				NA